

METHOD TO SCREEN PEPTIDE DISPLAY LIBRARIES USING MINICELL DISPLAY

ABSTRACT OF THE DISCLOSURE

A minicell display method has been developed which has significant advantages for screening peptide libraries for candidates that can bind and effectively modulate a particular biological process. The method, based on the small, anucleate minicell, has increased versatility in generating unique sequences to screen as well as increasing the size of the peptides to be screened. *In vivo* mutagenesis, at the level of protein synthesis, as well as DNA replication, increases diversification of the library to be screened and therefore substantially increases the number of potential peptides that can modulate a particular biological response or mechanism.